



Layton Tree Consulting LLC

For: MacPherson Construction
 Site: 5330 Butterworth RD - Mercer Island

Tree Summary Table
 Date: 2/8/2024

Tree/ Tag #	Species Common Name	Species Scientific Name	DBH (inches)	Height (feet)	Dripline (feet)				Health Condition	Structural Condition	Regulated Yes/No	Viable Tree	Exceptional Yes/No	Comments	Replacement Proposal	Trees
					N	S	E	W								
1	flowering plum	<i>Prunus cerasifera</i>	16	40	12	14	18	6	Good	Good	Yes	Yes	No	lean, asymmetric canopy east	TBD	
2	Japanese maple	<i>Acer palmatum</i>	8	26	8	6	14	8	Good	Good	No	No	No	no concerns	TBD	
3	bigleaf maple 7	<i>Acer macrophyllum</i>	14 to 24	90	32	18	24	28	Fair	Fair	Yes	No	Yes	large cluster, extensive soft rot fungus	TBD	
4	Japanese maple	<i>Acer palmatum</i>	5,5,4 (9)	18	12	10	12	6	Good	Good	No	Yes	No	no concerns	TBD	
5	Serbian spruce cv.	<i>Picea omorika</i>	8	45	4	6	6	6	Good	Good	No	Yes	No	no concerns	TBD	
6	Southern magnolia	<i>Magnolia grandiflora</i>	5	20	4	4	8	2	Good	Fair	No	Yes	No	lean, asymmetric canopy east	TBD	
7	Serbian spruce cv.	<i>Picea omorika</i>	8	40	2	8	8	2	Good	Fair	No	Yes	No	natural lean east	TBD	
8	Western red cedar	<i>Thuja plicata</i>	33	75	14	10	16	12	Good	Good	Yes	Yes	Yes	no concerns	TBD	
9	Katsura	<i>Cercidiphyllum japonicum</i>	14	36	10	18	12	8	Good	Fair	Yes	Yes	No	old broken top	TBD	
10	Katsura	<i>Cercidiphyllum japonicum</i>	14	45	12	14	8	10	Good	Fair	Yes	Yes	No	forked top	TBD	
11	Western red cedar	<i>Thuja plicata</i>	24,22 (32)	70	18	16	16	14	Excellent	Good	Yes	Yes	Yes	trunks fork at root crown	TBD	
12	Alaska cedar	<i>Chamaecyparis nootkatensis</i>	13	50	12	14	12	8	Excellent	Excellent	Yes	Yes	No	no concerns	TBD	
13	Katsura	<i>Cercidiphyllum japonicum</i>	20	45	16	10	8	14	Good	Fair	Yes	Yes	No	trunk forks at 5 feet, crown reduced	TBD	
14	Katsura	<i>Cercidiphyllum japonicum</i>	13	35	12	8	8	6	Fair	Fair	Yes	Yes	No	suppressed, crown reduced	TBD	
15	Alaska cedar	<i>Chamaecyparis nootkatensis</i>	10	45	8	8	8	8	Excellent	Poor	Yes	No	No	forked at 16 feet, codominant stems	TBD	
16	Katsura	<i>Cercidiphyllum japonicum</i>	14	40	12	10	8	8	Good	Fair	Yes	Yes	No	forked top,crown reduced	TBD	
17	Katsura	<i>Cercidiphyllum japonicum</i>	10	40	10	12	6	6	Good	Good	Yes	Yes	No	no concerns	TBD	
18	bigleaf maple	<i>Acer macrophyllum</i>	37	65	12	16	20	4	Poor	Fair	Yes	No	Yes	extensive soft rot fungus	TBD	
19	Katsura	<i>Cercidiphyllum japonicum</i>	15	40	12	6	8	8	Good	Good	Yes	Yes	No	crown reduced	TBD	
20	Western red cedar	<i>Thuja plicata</i>	48	90	12	16	20	10	Good	Fair	Yes	Yes	Yes	significant trunk decay, forked top, slight lean south	TBD	
21	flowering plum	<i>Prunus cerasifera</i>	10,12 (16)	40	14	12	16	10	Good	Fair	Yes	Yes	No	forked at 4 feet, codominant stems	TBD	
22	flowering plum	<i>Prunus cerasifera</i>	11	45	12	10	4	12	Good	Fair	Yes	Yes	No	forked at 10 feet, codominant stems	TBD	
23	Western red cedar	<i>Thuja plicata</i>	45,34 (56)	100	16	10	22	16	Good	Good	Yes	Yes	Yes	close to building, foliage somewhat sparse	TBD	
24	Paulownia/Empress	<i>Paulownia tomentosa</i>	22	50	8	10	18	6	Good	Fair	Yes	Yes	No	lean, asymmetric canopy east,some trunk decay	TBD	
25	Japanese stewartia	<i>Stewartia pseudocamellia</i>	7	36	10	8	10	8	Good	Good	Yes	Yes	No	no concerns	TBD	
26	Katsura	<i>Cercidiphyllum japonicum</i>	18	55	14	12	12	14	Good	Fair	Yes	Yes	No	forked top, weak attachment, not crown reduced	TBD	
27	Katsura	<i>Cercidiphyllum japonicum</i>	14	55	10	12	8	12	Good	Fair	Yes	Yes	No	forked top, weak attachment, not crown reduced	TBD	
28	Katsura	<i>Cercidiphyllum japonicum</i>	18	50	12	10	10	14	Good	Good	Yes	Yes	No	no concerns	TBD	
29	Katsura	<i>Cercidiphyllum japonicum</i>	21	55	18	6	14	14	Good	Good	Yes	Yes	No	natural lean,asymmetric canopy north	TBD	
31	Katsura	<i>Cercidiphyllum japonicum</i>	21	45	12	12	12	10	Good	Good	Yes	Yes	No	crown reduced in past	TBD	
32	Katsura	<i>Cercidiphyllum japonicum</i>	14	40	14	12	12	12	Good	Good	Yes	Yes	No	no concerns	TBD	
33	Japanese maple	<i>Acer palmatum</i>	12	22	14	10	8	10	Good	Good	Yes	Yes	No	close to building, well maintained	TBD	
34	apple	<i>Malus domestica</i>	*10	10	x	x	x	x	Good	Poor	No	No	No	extensive basal decay,falling over	TBD	
35	apple	<i>Malus domestica</i>	*20	12	10	10	10	10	Good	Good	Yes	Yes	No	well maintained	TBD	
36	apple	<i>Malus domestica</i>	*12	10	10	10	10	10	Good	Good	Yes	Yes	No	well maintained	TBD	
37	apple	<i>Malus domestica</i>	*13	10	10	10	10	10	Good	Good	Yes	Yes	No	well maintained	TBD	
38	black cottonwood	<i>Populus trichocarpa</i>	43	130	12	12	16	12	Fair	Good	Yes	Yes	Yes	mature, crown reduced in past	TBD	
39	black cottonwood	<i>Populus trichocarpa</i>	41	125	12	18	8	18	Fair	Fair	Yes	No	Yes	noteworthy bole decay,multiple cavities	TBD	
40	black cottonwood	<i>Populus trichocarpa</i>	34	110	0	18	12	10	Fair	Fair	Yes	Yes	No	asymmetric canopy SE,bent top	TBD	
41	flowering plum	<i>Prunus cerasifera</i>	8	12	6	6	6	6	Good	Good	No	Yes	No	well maintained	TBD	
42	Southern magnolia	<i>Magnolia grandiflora</i>	12	32	10	12	10	12	Excellent	Excellent	Yes	Yes	No	no concerns	TBD	
43	Southern magnolia	<i>Magnolia grandiflora</i>	11	28	10	10	12	10	Excellent	Excellent	Yes	Yes	No	close to building	TBD	
44	Corsican pine	<i>Pinus nigra var. maritima</i>	7,5,4,4 (10)	20	8	10	8	8	Good	Fair	Yes	Yes	No	cluster, more shrub-like	TBD	
45	Portuguese laurel	<i>Prunus lusitanica</i>	6 to 12	34					Fair	Fair	Yes	Yes	No	large grouping of 13 trees, 3 are > 10 inches diam.	TBD	
46	hollywood juniper	<i>Juniperus chinensis</i>	8,6 (10)	12	6	10	8	10	Good	Good	Yes	Yes	No	no concerns	TBD	
47	Portuguese laurel	<i>Prunus lusitanica</i>	14	30	12	12	10	10	Good	Good	Yes	Yes	No	no concerns	TBD	
48	white birch	<i>Betula papyrifera</i>	14	60	8	12	16	14	Good	Good	Yes	Yes	No	no concerns	TBD	
49	Western red cedar	<i>Thuja plicata</i>	24	75	16	12	14	14	Good	Good	Yes	Yes	No	next to creek	TBD	
50	Serbian spruce cv.	<i>Picea omorika</i>	10	60	6	6	6	6	Good	Fair	Yes	Yes	No	poor stem taper	TBD	
51	photinia cv.	<i>Photinia</i>	11,10,5 (16)	45	14	14	18	14	Good	Good	Yes	Yes	No	tree form	TBD	



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					N	S	E	W								
52	white birch	<i>Betula papyrifera</i>	12	60	14	10	16	0	Good	Fair	Yes	Yes	No	asymmetric canopy NE, forked at 12 feet, 3 tops	TBD	
53	white birch	<i>Betula papyrifera</i>	13	70	8	14	4	12	Good	Fair	Yes	Yes	No	asymmetric canopy SW, forked at 12 feet, 3 tops	TBD	
54	white birch	<i>Betula papyrifera</i>	9	55	10	6	10	8	Good	Fair	No	Yes	No	decay pocket below fork	TBD	
55	Chinese catalpa	<i>Catalpa ovata</i>	39	80	24	26	24	16	Good	Good	Yes	Yes	Yes	sound,good form	TBD	
56	flowering plum	<i>Prunus cerasifera</i>	9	22	12	10	8	10	Good	Good	No	Yes	No	no concerns	TBD	
Neighboring Trees																
30	Western red cedar	<i>Thuja plicata</i>	26	70	14	16	16	12	Good	Fair	Yes	Yes	No	forked at 16 feet, codominant stems	TBD	

cv - cultivated variety

* - caliper measurement at one-foot above ground

Dripline measurements from face of trunk

Calculated DBH: the DBH in parenthesis is the square root of the sum of the dbh for each individual stem squared (example with 3

stems: dbh = square root [(stem1)² +(stem2)² +(stem3)²].

TBD - to be determined